IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

XU et al

Application No.: 09/759,241 Artt Unit: Unassigned

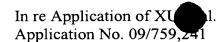
Filed: January 16, 2001 Examiner: Unassigned

For: COMPOSITE

TEXTILE MATERIAL

CLAIMS PENDING AFTER PRELIMINARY AMENDMENT

- 1. A composite textile fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface.
- 2. The composite fabric according to Claim 1, in which the hydrophilic material is polypropylene.
- 3. The composite fabric according to Claim 1, in which the hydrophilic material is one of polyester and cotton.
- 4. A re-usable diaper comprising an inner layer of a fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface, a middle layer of a treated cotton fabric, and an outer layer of a waterproof material.



- 5. A diaper comprising an inner layer formed of the fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface, a middle layer of a disposable absorbent material, and an outer layer of a waterproof material.
 - 6. Clothing including the composite textile fabric layer according to Claim 1.
- 7. An incontinence mattress cover including a composite textile fabric layer according to Claim I.
 - 8. Clothing according to Claim 6 comprising boxer shorts.
 - 9. Clothing according to Claim 6 comprising long pants.